

IEPR Committee Hearing
Staff Report
Transportation Fuels, Technologies, and Infrastructure Assessment

August 21, 2003
9:30 a.m.
Hearing Room A

QUESTIONS

As stated in the Notice of Committee Hearings (Docket 02-IEP-01) dated July 16, 2003, a list of discussion questions to be considered at each of the hearings will be published. The IEPR Committee, in addition to the information contained in the staff report entitled Transportation Fuels, Technologies, and Infrastructure Assessment Report, is seeking responses at the August 21, 2003 Committee Hearing from both Energy Commission staff and external stakeholders to the following questions.

1. Demand
How will the state's oil industry meet our growing demand for gasoline and diesel fuels? What actions will the oil industry need to undertake to work with the state to ensure that the state's refining, distribution and importing infrastructure is adequate?
2. Hydrogen
What are the energy resources that will be used to produce the hydrogen fuel? What sequence and timeframe to effectively produce hydrogen from specific resources? How can the state facilitate the development and implementation of the hydrogen fueling infrastructure?
3. Fuel Flexible Vehicles
To what extent have the current CAFÉ credits affected petroleum consumption in California? What actions need to be pursued to increase the use of alternative fuels in FFVs?
4. Gasoline
What are the supply implications of ethanol-blended gasoline compared to oxygen-free formulations? Are there potential issues with various levels of blended ethanol that would impact vehicle evaporative emissions and degrade ambient air quality?
5. Oil Sands/Syncrude
Can Canadian oil sand resources be a competitive source of new crude supply for the California market? What steps or actions are needed to be able to use Canadian oil sand resources to produce gasoline and diesel fuel for the California market?
6. Refining Capacity

What is the environmental performance of the refinery sector in California?
What environmental issues limit existing operations, potential expansions at existing sites and new refinery construction?

7. Distributed Generation

What new distributed generation opportunities exist at refinery sites? Is natural gas available as a fuel source from the refining process? Are other refining by-products potential sources of fuel? Is R&D necessary to determine the potential for using process by-products for on-site power production?